

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415563

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6436 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

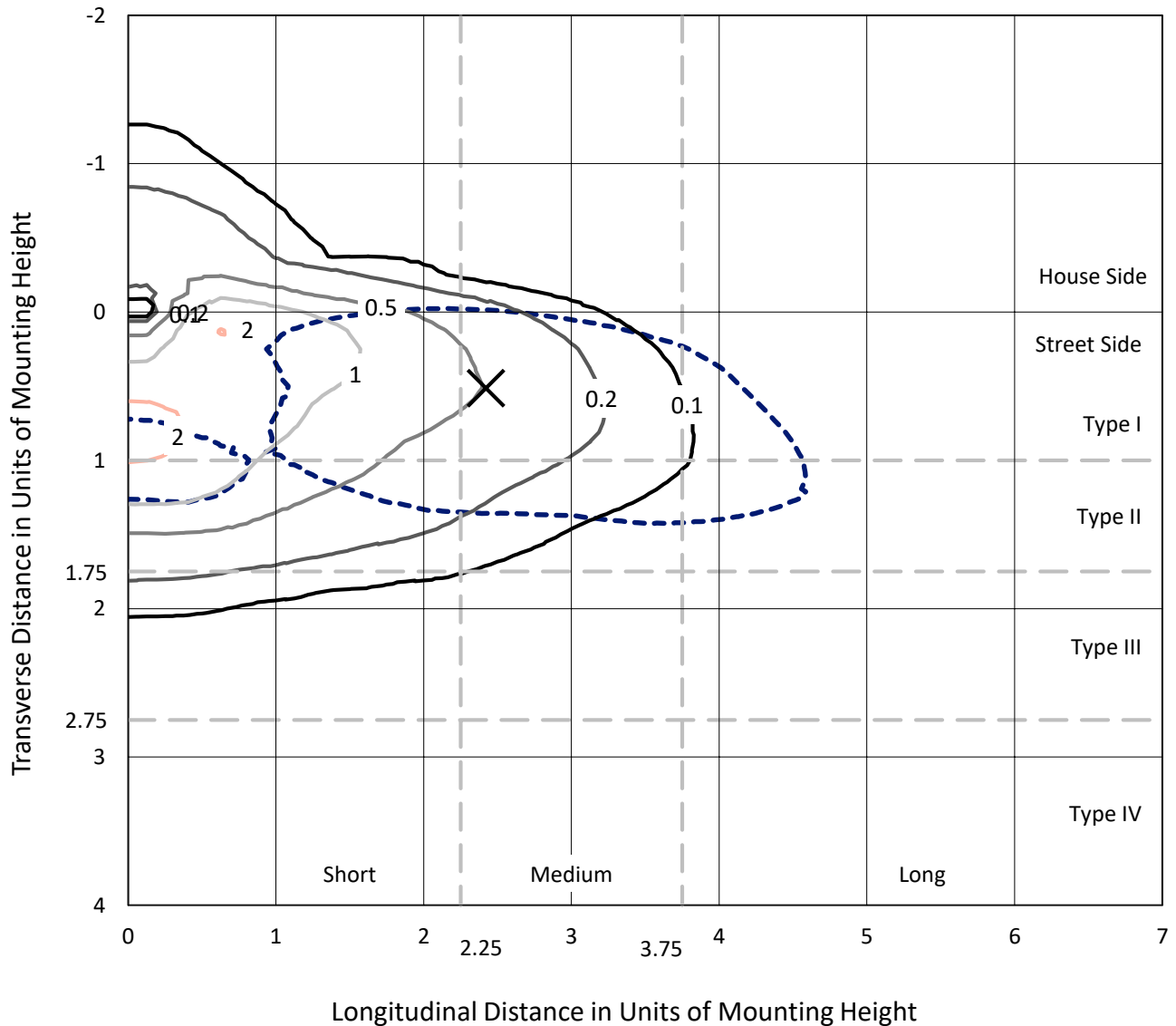
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

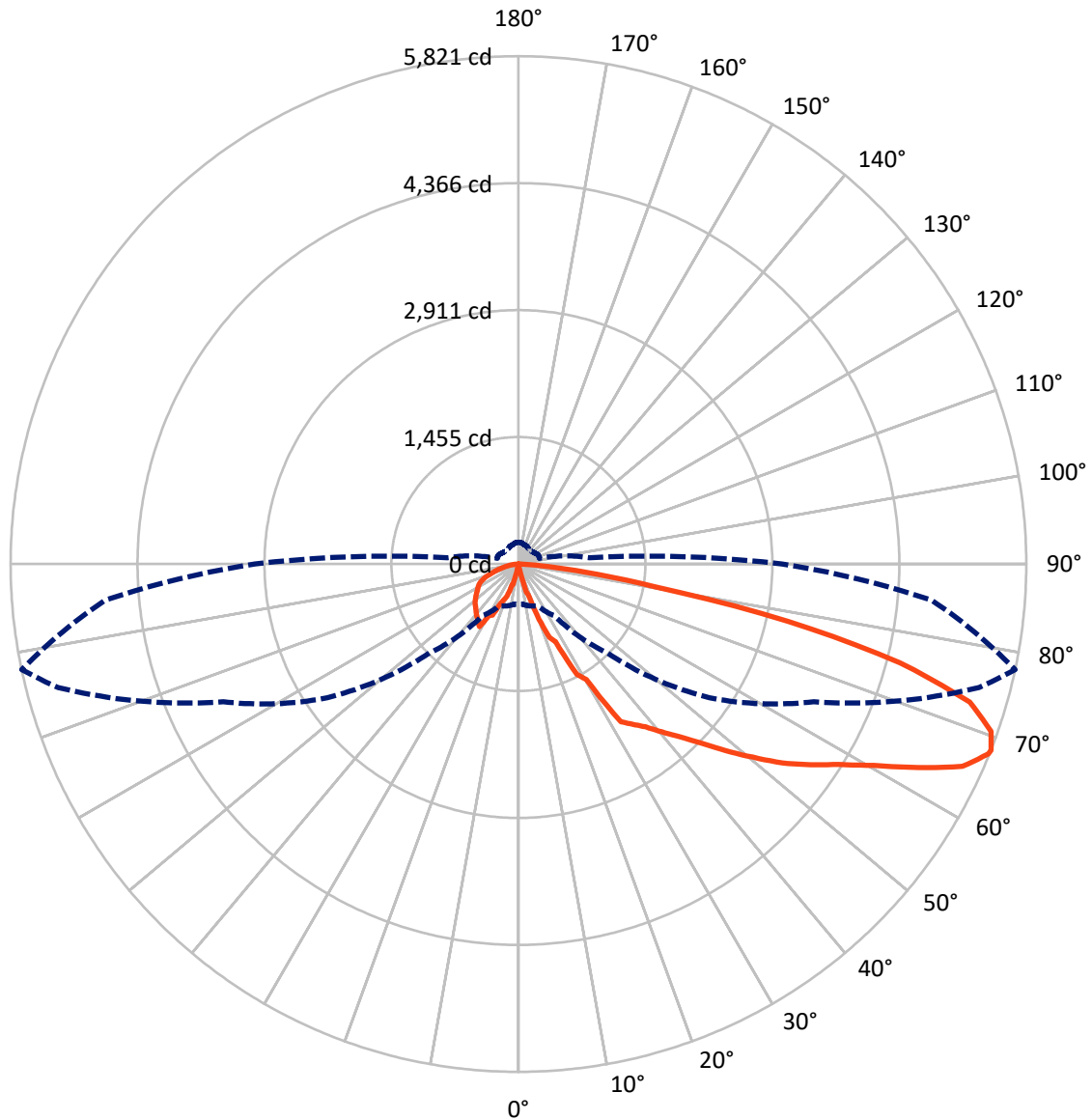


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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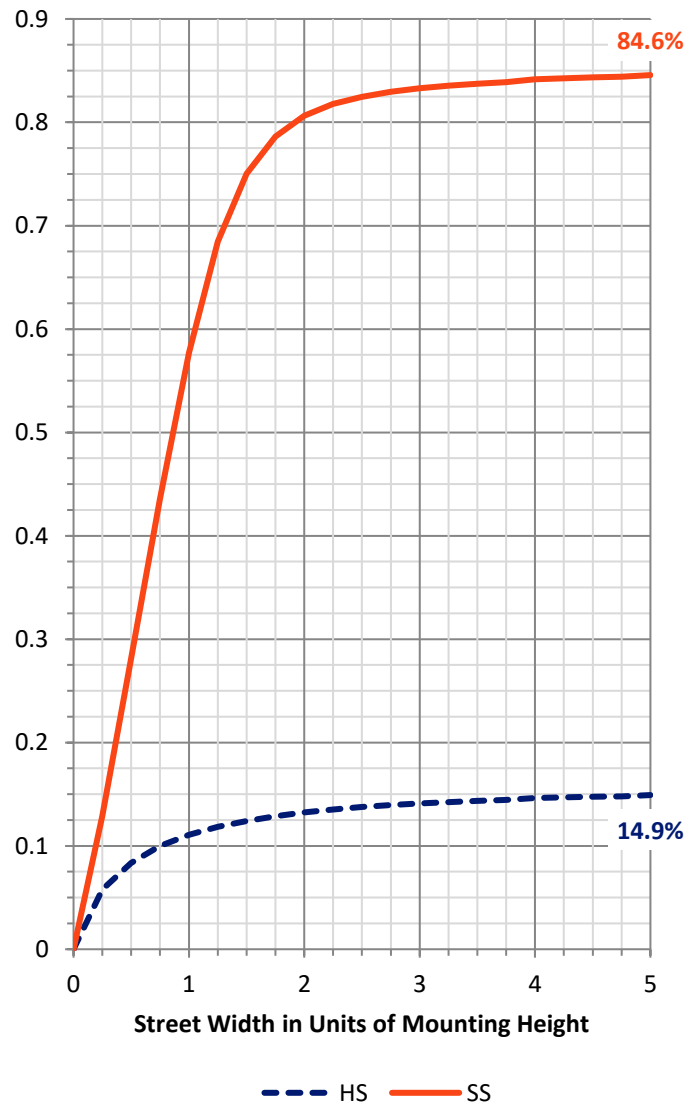
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	977.1	0.0	977.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5458.9	0.0	5458.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	6436.0	0.0	6436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	93.3	1.4
20°-30°	355.2	5.5
30°-40°	829.2	12.9
40°-50°	1294.5	20.1
50°-60°	1486.0	23.1
60°-70°	1380.8	21.5
70°-80°	853.2	13.3
80°-90°	137.4	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6436.0	100.0
0°-180°	6436.0	100.0

Coefficient of Utilization



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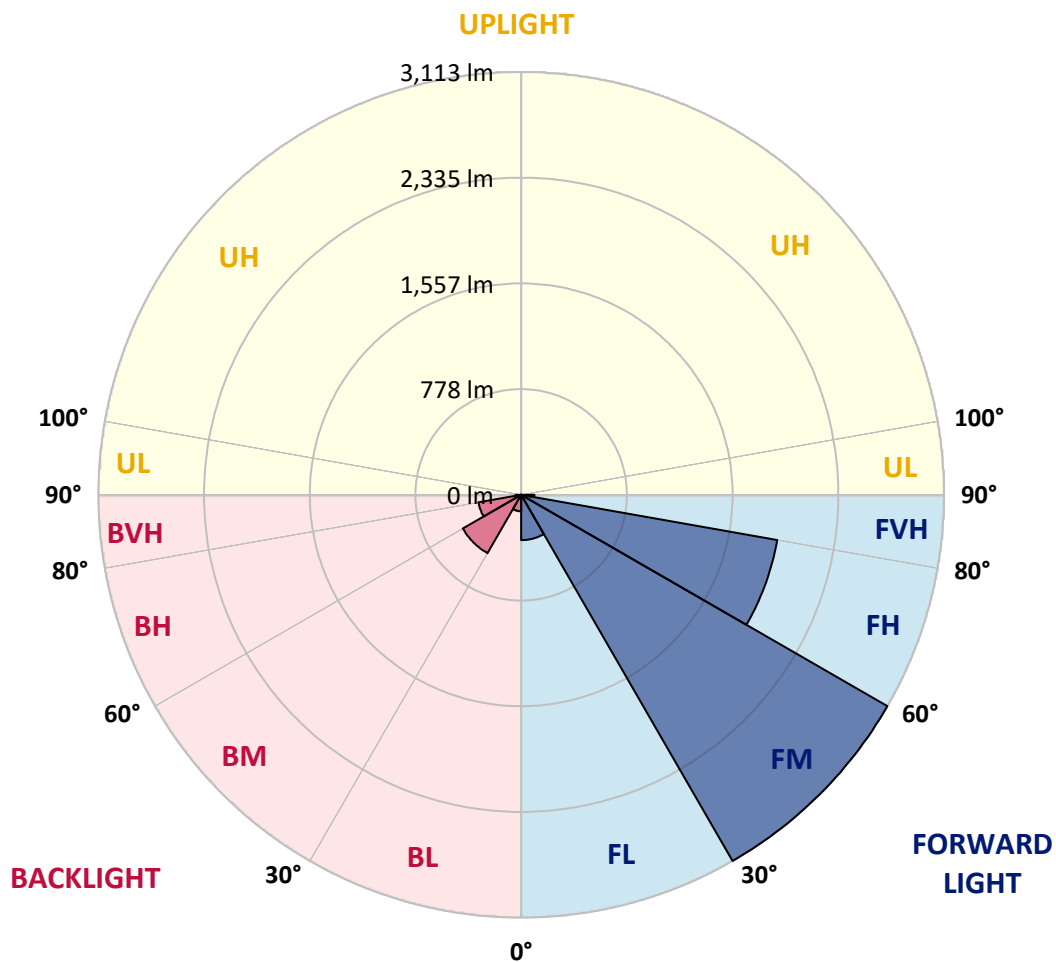
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.7	5.2			
FM (30°-60°)	3113.3	48.4			
FH (60°-80°)	1914.6	29.7			G2/5000
FVH (80°-90°)	97.2	1.5			G1/100
BL (0°-30°)	121.1	1.9	B1/500		
BM (30°-60°)	496.4	7.7	B1/1000		
BH (60°-80°)	319.4	5.0	B1/500		G1/500
BVH (80°-90°)	40.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	4.9	4.9	5.6	6.4	7.8	7.1	4.9	3.5	2.8	2.8	2.8
5°	228.1	209.7	117.2	60.7	21.2	12.7	6.4	4.9	3.5	3.5	2.8
7.5°	257.7	256.3	254.2	252.1	248.5	235.1	24.7	7.1	4.2	4.2	2.8
10°	278.2	276.1	274.7	273.3	268.3	261.3	249.3	21.9	7.8	7.1	6.4
12.5°	540.2	538.8	536.6	343.2	290.9	283.1	272.6	194.9	22.6	33.9	102.4
15°	538.8	536.6	543.0	554.3	563.5	310.0	312.8	547.2	338.9	325.5	346.7
17.5°	562.1	559.2	552.2	559.9	576.9	648.2	612.9	592.4	398.9	380.6	370.0
20°	824.0	824.0	832.5	825.4	598.8	828.3	784.5	636.2	720.9	677.9	630.6
22.5°	872.0	868.5	869.9	884.0	1039.4	858.6	865.7	981.5	1002.0	915.1	784.5
25°	1239.9	1239.2	1190.5	934.2	1095.9	1035.1	1196.1	1050.0	1086.7	984.3	962.4
27.5°	1395.3	1396.7	1357.1	1321.8	1158.0	1342.3	1269.6	1382.6	1543.5	1434.1	1232.9
30°	1877.5	1859.2	1548.5	1513.9	1417.2	1415.0	1537.2	1632.5	1587.3	1535.8	1376.9
32.5°	2231.3	2212.9	2144.4	1905.1	1684.8	1576.0	1766.0	1708.1	2071.0	2155.7	1866.9
35°	2778.5	2772.2	2408.5	2161.4	1978.5	1905.8	1855.6	2080.9	2241.9	2254.6	1988.4
37.5°	3198.6	3178.2	2964.9	2529.3	2227.1	2059.0	2178.3	2181.9	2429.0	2369.0	2178.3
40°	3390.7	3378.0	3214.2	2805.4	2455.8	2265.9	2313.9	2334.4	2633.8	2530.0	2316.7
42.5°	3536.9	3521.3	3417.5	2971.3	2657.1	2475.6	2453.7	2472.1	2832.2	2705.8	2465.0
45°	3612.4	3603.2	3554.5	3089.2	2797.6	2609.1	2603.4	2593.5	2967.0	2922.6	2626.0
47.5°	3570.1	3560.2	3582.1	3249.5	2885.1	2718.5	2742.5	2724.9	3121.7	3194.4	2801.1
50°	3334.9	3344.1	3431.7	3255.8	2940.9	2807.5	2889.4	2845.6	3332.1	3481.1	3013.7
52.5°	2654.2	2691.7	3062.4	3114.6	2946.6	2849.1	3021.4	3029.9	3593.4	3787.5	3293.3
55°	1980.6	2033.6	2361.9	2770.0	2833.6	2850.5	3106.2	3198.6	3853.9	4060.1	3528.4
57.5°	1559.1	1591.6	1800.6	2210.1	2561.0	2800.4	3193.0	3335.6	4096.1	4332.7	3759.3
60°	1246.3	1226.5	1362.8	1673.5	2134.6	2659.9	3231.1	3514.3	4397.6	4684.3	4031.1
62.5°	901.0	902.4	1006.2	1183.4	1689.7	2382.4	3201.5	3687.3	4781.7	5139.0	4393.4
65°	639.0	645.4	716.0	811.3	1221.6	2001.1	3054.6	3805.2	5215.3	5593.8	4687.8
67.5°	486.5	490.7	523.9	568.4	789.4	1522.4	2753.1	3781.2	5453.2	5809.1	4773.3
68°	466.7	459.7	497.1	529.6	726.6	1443.3	2670.5	3733.2	5464.5	5821.1	4752.8
70°	393.3	393.3	410.2	418.0	514.7	1066.9	2265.9	3443.0	5424.3	5747.0	4597.4
72.5°	328.3	326.2	336.1	329.8	363.6	698.3	1645.9	2969.2	5136.9	5408.8	4134.9
75°	273.3	273.3	274.7	269.7	278.9	468.1	1069.7	2325.9	4538.1	4516.2	3365.3
77.5°	233.0	227.4	226.0	218.9	226.7	340.3	656.0	1655.1	3276.3	3158.4	2136.7
80°	185.0	184.3	185.7	181.5	187.8	247.8	399.7	967.4	1784.3	1570.4	996.3
82.5°	114.4	125.7	138.4	138.4	158.2	175.1	242.2	517.6	865.0	760.5	423.0
85°	37.4	45.9	81.2	84.0	101.7	81.9	139.1	166.6	288.8	257.7	81.2
87.5°	1.4	2.1	6.4	9.9	9.2	5.6	9.9	7.8	16.2	12.0	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	2.8	2.8	2.8	3.5	3.5	2.1	1.4	2.8	2.8	2.8	2.8
5°	2.8	2.8	3.5	3.5	3.5	2.8	3.5	4.9	5.6	5.6	5.6
7.5°	2.8	2.8	2.8	4.2	4.2	4.9	7.1	42.4	97.4	106.6	105.2
10°	5.6	4.9	5.6	6.4	7.8	90.4	118.6	125.0	127.8	129.9	129.2
12.5°	135.6	121.4	22.6	12.7	85.4	127.1	129.2	134.2	139.1	141.2	141.2
15°	317.7	284.6	217.5	163.8	146.2	135.6	137.7	180.8	245.7	252.1	252.8
17.5°	337.5	295.9	227.4	250.7	258.4	201.2	221.0	248.5	251.4	252.1	252.1
20°	636.2	533.1	323.4	264.1	263.4	336.8	235.8	242.9	247.1	281.0	285.3
22.5°	688.5	571.2	388.4	374.9	283.9	336.8	308.6	300.1	328.3	325.5	327.6
25°	865.7	685.6	408.8	376.4	397.5	326.2	362.2	298.7	303.6	302.2	302.2
27.5°	1100.8	865.0	571.2	421.5	386.2	377.1	335.4	287.4	344.6	346.0	346.0
30°	1165.8	889.7	571.2	455.4	401.8	370.7	310.0	339.6	320.6	314.9	312.1
32.5°	1615.6	1206.7	691.3	438.5	396.1	340.3	339.6	315.6	314.9	327.6	327.6
35°	1697.5	1225.1	631.3	501.3	373.5	350.9	322.7	319.2	305.0	300.1	299.4
37.5°	1778.7	1236.4	585.4	460.4	383.4	334.7	317.7	293.0	308.6	308.6	307.2
40°	1865.5	1248.4	543.7	423.0	352.3	334.7	294.4	292.3	271.1	272.6	271.1
42.5°	1958.7	1253.3	499.2	391.9	323.4	314.2	284.6	262.7	262.0	266.9	265.5
45°	2065.4	1259.7	458.3	352.3	294.4	276.8	254.2	255.6	269.0	280.3	280.3
47.5°	2179.0	1265.3	424.4	317.0	274.0	251.4	234.4	240.1	264.1	275.4	278.9
50°	2333.0	1272.4	385.5	288.1	259.8	232.3	229.5	234.4	260.6	269.0	265.5
52.5°	2496.8	1259.7	347.4	269.7	245.0	211.1	216.1	228.8	257.0	261.3	258.4
55°	2630.9	1227.9	317.7	257.7	234.4	201.9	209.0	224.5	251.4	253.5	254.2
57.5°	2787.0	1186.3	294.4	248.5	228.1	197.7	206.2	223.8	240.1	250.0	250.0
60°	2940.2	1137.5	280.3	243.6	223.1	197.7	206.2	223.1	238.0	248.5	247.8
62.5°	3119.6	1082.5	271.8	246.4	216.8	199.8	207.6	225.2	237.3	249.3	247.8
65°	3182.4	977.2	265.5	250.7	216.1	202.7	208.3	228.1	236.5	250.7	249.3
67.5°	3058.1	838.1	254.9	250.7	222.4	206.2	207.6	226.7	234.4	251.4	245.0
68°	3016.5	817.7	251.4	250.0	223.1	206.9	207.6	226.0	233.0	250.7	243.6
70°	2784.9	687.7	233.7	242.9	226.0	209.7	204.1	221.0	226.0	249.3	240.8
72.5°	2409.9	535.9	204.1	226.0	223.1	213.9	197.7	211.1	213.9	233.0	218.9
75°	1927.0	407.4	168.8	196.3	209.7	213.9	188.5	197.7	197.0	206.2	193.5
77.5°	1211.7	290.9	136.3	166.6	190.6	208.3	180.1	180.1	171.6	173.0	167.3
80°	587.5	199.1	110.2	137.7	159.6	197.0	165.2	151.8	141.2	138.4	131.3
82.5°	288.8	128.5	76.3	103.8	126.4	163.1	148.3	125.0	106.6	105.2	93.9
85°	67.1	53.0	41.7	55.1	79.8	106.6	106.6	78.4	66.4	86.1	63.5
87.5°	6.4	7.8	8.5	7.8	9.9	9.2	22.6	22.6	20.5	13.4	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)